

OPEN WIDE AND TREK INSIDE		
Ohio Academic Standards for Life Science –Grades 1 & 2		
Lesson	Standard	Description
1, 4, 5	1	Explore that organisms, including people, have basic needs, which include air, water, food, living space and shelter. (1 st)
1, 2	3	Explore that humans and other animals have body parts that help to seek, find and take in food when they are hungry (e.g., sharp teeth, flat teeth, good nose and sharp vision). (1 st)
1, 2, 4, 5	4	Compare similarities and differences among individuals of the same kind of plants and animals, including people. (2 nd)
1, 4, 5	5	Explain that food is a basic need of plants and animals (e.g., plants need sunlight to make food and to grow, animals eat plants and/or other animals for food, food chain) and is important because it is a source of energy (e.g., energy used to play, ride bicycles, read, etc.). (2 nd)
Ohio Academic Standards for Scientific Inquiry – Grade 1		
1, 3, 5	1	Ask "what happens when" questions. (1 st)
1, 3, 5	2	Explore and pursue student-generated "what happens when" questions.
3	3	Use appropriate safety procedures when completing scientific investigations.
3	4	Work in a small group to complete an investigation and then share findings with others.
3, 5	5	Create individual conclusions about group findings.
3	6	Use appropriate tools and simple equipment/instruments to safely gather scientific data (e.g., magnifiers, timers and simple balances and other appropriate tools).
3	7	Make estimates to compare familiar lengths, weights and time intervals.
2, 3, 5, 6	8	Use oral, written and pictorial representation to communicate work.
All lessons	9	Describe things as accurately as possible and compare with the observations of others.

Ohio Academic Standards for Scientific Ways of Knowing – Grade 1		
Lesson	Standard	Description
All lessons	2	Demonstrate good explanations based on evidence from investigations and observations.
All lessons	3	Explain that everybody can do science, invent things and have scientific ideas no matter where they live.
Ohio Academic Standards for English Language Arts – Grade 1		
Lesson	Standard	Description
4, 6	Reading Process 4	Make predictions while reading and support predictions with information from the text or prior experience.
1, 2, 4, 6	Reading Process 6	Recall the important ideas in fictional and non-fictional texts
1, 2, 4, 6	Reading Process 8	Answer literal, simple inferential and evaluative questions to demonstrate comprehension of grade-appropriate print texts and electronic and visual media.
All lessons	Writing Process 1	Generate writing ideas through discussions with others.
All lessons	Writing Process 2	Determine purpose and audience.
All lessons	Writing Process 5	Organize writing to include a beginning, middle and end.
All lessons	Writing Applications 4	Produce informal writings (e.g., messages, journals, notes and poems) for various purposes.
All lessons	Research 3	Use books or observations to gather information to explain a topic or unit of study with teacher assistance.
All lessons	Research 4	Recall important information about a topic with teacher assistance.
All lessons	Research 5	Report information to others.
Ohio Academic Standards for Mathematics – Grade 1		
Lesson	Standard	Description
2, 3, 5	Number, Number Sense, and Operations 10	Model, represent and explain addition as combining sets (part + part = whole) and counting on.
2, 3	Data Analysis and	Display data in picture graphs with units of 1 and bar graphs with intervals of 1.

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	Probability 3	
2, 3	Data Analysis and Probability 4	Read and interpret charts, picture graphs and bar graphs as sources of information to identify main ideas, draw conclusions, and make predictions.
2	Data Analysis and Probability 7	Answer questions about the number of objects represented in a picture graph, bar graph or table graph; e.g., category with most, how many more in a category compared to another, how many altogether in two categories